BRUHATH BANGALORE MAHANAGARA PALIKE

Yalahanka ELECTRICAL DIVISION

PRE MEASUREMENT BOOK

Name of work :-Annual Maintenance and repairs of street lights in ward no 11 Package Y -11 of Yelahanka Zone.

ame of Contractror of nature of Agency:- M/s sri Lakshminarasimha Electricals

ob Code No:-011-22-000005

ef no and Date of commencement of work:-:- EE/Ele/YZ//WO/000011 /22-23 Date:01/04/2022

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Bill NO :- 7th RA Bill **Bill Period : 01-02-2023 to 28-02-2023 (for 1 months)**

Sl. No.		Unit	Period in Months	Present Measurements		
				Qty	Tender Full Rate	Cost
1	Operation and Maintenance of street lighting system including replacement of damaged/ failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for 36/40 W fluorescent tube light street lighting systems.	Each	1	29	57.12	1656.48
2	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for 125 W HPMV light Park lighting systems.	Each	1	0	63.20	0.00
3	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for 250W HPSV street light lighting systems.	Each	1	2527	84.95	214668.65
4	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents 400 watts HPSV street light/High Mast lighting systems.	Each	1	98	93.16	9129.68

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5	Operation and Maintenance of LED Street lighting system including replacement of damaged/failed/fused out compnents like LED drivers MCPCB surge protective device switches, Wires Holders, Staters observing weather proofing technic confirming to IP 65 standards and switching ON/OFF of Street lights at specified timing and pole numbering. Preparing ward wise Street wise Street light data bank furnishing maintenance reports every day etc.., complete so as to ansure efficient burning of Street lights detailed in Tender documents for 24 watt LED park lighting systems.	Each	1	24	73.33	1759.9
6	Operation and Maintenance of LED Street lighting system including replacement of damaged/failed /fused out compnents like LED drivers MCPCB surge protective device switches, Wires Holders, Staters observing weather proofing technic confirming to IP 65 standards and switching ON/OFF of Street lights at specified timing and pole numbering. Preparing ward wise Street wise Street light data bank furnishing maintenance reports every day etc.., complete so as to ansure efficient burning of Street lights detailed in Tender documents for 65 watt LED street light lighting systems.	Each	1	339	95.61	32411.7
7	Operation and Maintenance of LED Street lighting system including replacement of damaged/failed/fused out compnents like LED drivers MCPCB surge protective device switches, Wires Holders, Staters observing weather proofing technic confirming to IP 65 standards and switching ON/OFF of Street lights at specified timing and pole numbering. Preparing ward wise Street wise Street light data bank furnishing maintenance reports every day etc.., complete so as to ansure efficient burning of Street lights detailed in Tender documents for 90 watt LED street light lighting systems.	Each	1	0	114.80	0.00
8	Operation and Maintenance of LED Street lighting system including replacement of damaged/failed/fused out compnents like LED drivers MCPCB surge protective device switches, Wires Holders, Staters observing weather proofing technic confirming to IP 65 standards and switching ON/OFF of Street lights at specified timing and pole numbering. Preparing ward wise Street wise Street light data bank furnishing maintenance reports every day etc.., complete so as to ansure efficient burning of Street lights detailed in Tender documents for 110/120 watt LED streetlight lighting system	Each	1	0	131.29	0.00
9	Operation and Maintenance of LED Street lighting system including replacement of damaged/failed/fused out compnents like LED drivers MCPCB surge protective device switches, Wires Holders, Staters observing weather proofing technic confirming to IP 65 standards and switching ON/OFF of Street lights at specified timing and pole numbering. Preparing ward wise Street wise Street light data bank furnishing maintenance reports every day etc.., complete so as to ansure efficient burning of Street lights detailed in Tender documents for 150 watt LED street light /High mast lighting system	Each	1	0	155.95	0.00
10	Painting of existing street light pole after scrapping the old paint and painted with suitable colour enamel/Silver paint including coping/footing of the pole.Upto 5Mtr street light pole.	Nos	-	0	550.00	0.00

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11	Painting of existing street light pole after scrapping the old paint and painted with suitable colour enamel/Silver paint including coping/footing of the pole.8Mtr and above street light pole.			Nos	-	0	770.00	0.00
12	Supplying and fixing Moulded Case Circuit Breaker (MCCB) over the existing wood/panel board using necessary screws, bolts, nuts, necessary phase separators, handle and wiring complete. Protection of Overload and Short circuit with thermal Magnetic/Micro processor release and Earth Fault as per IS-13947. (Icu = Ics) 100Amps 25kA. 3 POLE			Nos	-	48	4530.00	217440.00
13	Supply and Installation / Fixing / Provision of Pole box with HRC Fuse / MCB provision and suitable connector / terminal for 3 Ph / 1 Ph connections with Loop-In & Loop- Out terminals for 10 Sqmm / 25 Sqmm 3.5 C Al/Ar / Cu/ Ar Cable and branch out 2.5 Sqmm 2 core Al/Cu PVC Insulated cable, enclosed in a Thermoplastic, Polystyrene enclosure, which should be shock proof, safe, IP65(Weather Proof), rust proof, dust proof, water proof having Internally Embedded Gasket with provision for cable entry through IP65 Thermoplastic, polyamide glands and/or grommets.260mmx210mmx116mm			Nos	-	48	2054.00	98592.00
14	Supplying of 1.1 KV LT UG cable XLPE or Heat resistant PVC insulated, PVC extruded Inner sheath armoured UG LT cable as per IS-1554 (Part-1) or IS-7098 Part-1, Armouring strip thickness in average +5% and resistivity 14 Ohms/Kms (Max) as per IS-3975 4 core 16 sqmm			Mtrs	-	279	150.00	41850.00
15	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required.In existing trench/duct.6 sqmm to 16 sqmm			Mtrs	-	279	11.88	3314.52
	Pole Number	**Address**	**Qty**					
	SLNE/11/TC83/SMR/00/07/S	7TH CROSS SINGAPORE OPP VARADARAJU SWAMY TEMPLE ROAD	1					
	SLNE/11/TC39/LL/00/02/09/S	NO 55 2ND CROSS LAKKAPA LAYOUT	1					
	SLNE/11/TC37/SL/00/01/02/S	NO 96 1ST CROSS 1ST MAIN SIMHADRI LAYOUT	1					
	SLNE/11/TC148/AG/MR/00/26/LED	2ND CROSS MUNNSWAMAPPA LAYOUT ABBIGERE MAIN ROAD	1					
	SLNE/11/RP/01/00/03/LED	1ST MAIN ROAD RAMACHANDRAPURA OPP GURU PRASAD IRON SHOP	1					
	SLNE/11/TC49/DL/01/00/06/S	2ND CROSS DEVAPPA LAYOUT RAMACHANDRAPURA	2					
	SLNE/11/TC40/MB/00/03/01/LED	MUNNESHWARA BADAVANI RAMACHANDRAPURA OPP MUNNESHWARA TEMPLE	2					
	New pole	6TH CROSS M S PALYA OPP JAMIYA MASIDI	1					
	SLNE/11/TC131/SB/00/01/S	NO 140 1ST MAIN SRINIDHI LAYOUT	1					
	SLNE/11/TC09/KN/00/06/11/S	4TH CROSS M S PALYA OPP ANGANAVADI	1					
	SLNE/11/TC128/00/1/S	TIPPU SULTAN MAIN ROAD M S PALYA OPP HSR CHICKEN SHOP	1					
	New pole	7TH CROSS ASHRAMA LAYOUT	1					

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	SLNE/11/TC40/SP/02/00/13/S	NO 16 2ND CROSS ROAD SINGAPORE	1					
	SLNE/11/TC/SP/01/00/16/S	8TH CROSS SINGAPORE	1					
	SLNE/11/TC49/SP/01/00/10/LED	5TH CROSS SINGAPORE SINGAPORE SR STORE	1					
	SLNE/11/TC12/RL/00/01/01/S	NO 10 1ST CROSS RAJESHWARA LAYOUT SINGAPORE OPP SRI MUNNESHWARA NILAYA	1					
	SLNE/11/TC12/VV/02/00/05/LED	4TH CROSS VARADARAJU NAGARA	1					
	New Pole	SIMHADRI LAYOUT SINGAPORE	1					
	SLNE/11/TC39/SG/00/01/07/S	1ST CROSS SINGAPORE GARDEN	1					
	SLNE/11/TC/RC/01/00/08/LED	RAGAVENDRA COLENY MAIN ROAD	1					
	SLNE/11/TC12/UN/01/00/07/S	NO 223 1ST CROSS VARADARAJU NAGARA M S PALYA	1					
	SLNE/11/TC11/NG/00/02/02/S	NO 49 2ND CROSS NEW SAI GARDEN	1					
	SLNE/11/TC/KN/07/00/02/S	2ND CROSS AR NAGARA M S PALYA	1					
	SLNE/11/TC54/SMR/00/01/LED	10TH CROSS VINAYAKA NAGARA MAIN ROAD OPP SWAPNA PROVISION STORE	1					
	SLNE/11/TC54/VN/00/10/02/S	NO 199 10TH CROSS VINAYAKA NAGARA	1					
	SLNE/11/TC54/VN/00/08/05/S	9TH CROSS 2ND CROSS ROAD VINAYAKA NAGARA	1					
	SLNE/11/TC39/SP/01/00/03/S	2ND CROSS SINGAPORE GARDEN	1					
	SLNE/11/TC42/VN/00/02/01/S	NO 711 2ND CROSS VALMIKI NAGARA	1					
	SLNE/11/TC42/KVN/00/03/04/S	3RD CROSS 2ND STAGE KUVEMPU NAGARA	1					
	SLNE/11/TC43/KVN/05/00/14/S	NO 217 2ND CROSS 2ND STAGE KUVEMPU NAGARA	1					
	SLNE/11/TC/00/10/01/S	NO 33 10TH CROSS NAYADU LAYOUT GANGAMMA GUDI ROAD	1					
	SLNE/11/TC89/SMR/00/15/S	NO 33 KUVEMPU NAGARA NAYADU LAYOUT MAIN ROAD	1					
	SLNE/11/TC89/KVN/00/03/05/S	3RD CROSS 2ND STAGE KUVEMPU NAGARA	1					
	SLNE/11/TC43/KN/00/39/LED	1ST CROSS 1ST STAGE KUVEMPU NAGARA	1					
	SLNE/11/TC43/KN/00/45/LED	3RD CROSS 1ST STAGE KUVEMPU NAGARA	1					
	SLNE/11/TC/KL/00/05/12/S	NO 117 5TH CROSS KALATUR LAYOUT	1					
	SLNE/11/TC43/KB/01/05/S	4TH MAIN 2ND CROSS KALATUR LAYOUT	1					
	SLNE/11/TC/MS/00/01/07/0	M S PALYA CIRCLE	1					
	SLNE/11/TC12/00/01/0	SINGAPORE PARADIS VARADARAJU NAGARA MAIN ROAD	1					
	SLNE/11/TC54/SMR/00/30/S	NO 26/123 SINGAPORE MAIN ROAD VARADARAJU NAGARA	1					
	SLNE/11/TC12/KMR/00/19/0	NO 56 1ST CROSS SANDHYA LAYOUT	1					
	SLNE/11/TC41/NL/00/01/08/S	NO 88 1ST CROSS 2ND STAGE NAYADU LAYOUT KUVEMPU NAGARA	1					

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	SLNE/11/TC42/KVN/00/01/00/S	1ST MAIN ROAD 2ND STAGE KUVEMPU NAGARA OPP RAMA TEMPLE NEAR	1					
	SLNE/11/TC40/SP/07/00/08/S	NO 20 7TH CROSS SINGAPORE LAYOUT	1					
	SLNE/11/TC36/VN/05/00/08/S	NO 05 1ST CROSS 2ND STAGE VARADARAJU NAGARA	1					
	SLNE/11/TC/HV/00/08/01/S	2ND MAIN ROAD H V VALLI	1					
	Total		**48**					
	For Each MCCB Required 6mtr LTUG Cable= 48 Nos X 6 LT UG cable Mtrs		**288**					
16	Supply and fixing of 4pole power contactor with NO/NC contacts on existing wood/panel board using necessary bolts, nuts, washers and wiring etc., complete with AC-3 Rating and as per IS-13947.100 to 125Amps			Nos	-	8	7200.00	57600.00
	SLNE/11/TC/VL/01/00/04/S	no 9 Vaishnavi Layout	1					
	SLNE/11/TC113/GLL/00/01/05/S	6th Main Road MS Palya Ganesha Layout	1					
	SLNE/11/TC/BN/00/01/03/S	no 31/A,1st Cross,2nd main Bharath Nagara	1					
	SLNE/11/TC84/SG/00/02/S	no 34 2nd main road Somanna Layout	1					
	SLNE/11/TC12/SP/01/00/06/LED	3rd main road Singapura Paradise	1					
	SLNE/11/TC37/EVL/00/02/02/S	1st Cross Green inpro Layout	1					
	SLNE/11/TC13/SG/00/01/04/S	No 72 2nd Cross Sai Garden	1					
	SLNE/11/TC70/SB/08/00/13/S	no 66 8th D main Srinidhi Layout	1					
	Total		**8**					
17	Supplying and fixing Microprocessor Based Astronomical timer Switch with using necessary bolts, nuts and washers.			Each	-	8	4030.00	32240.00
	SLNE/11/TC113/GL/00/01/05/S	6th Main Road MS Palya Ganesha Layout	1					
	SLNE/11/TC/BN/00/01/03/S	no 31/A,1st Cross,2nd main Bharath Nagara	1					
	SLNE/11/TC84/SG/00/02/S	No 34 2nd Main Road Somanna Layout	1					
	SLNE/11/TC12/SP/01/00/06/LED	3rd Main Road Singapura Paradise	1					
	SLNE/11/TC70/SB/08/00/13/S	no 66 8th D Main srinidhi Layout	1					
	SLNE/11/TC13/BL/02/00/05/S	no 54 4th Cross 2nd Main Balaji Layout	1					
	SLNE/11/TC13/BL/02/00/09/S	no 46 2nd Cross 2nd Main Balaji Layout	1					
	SLNE/11/TC28/TL/00/01/03/S	1st Cross Teachers layout	1					
	Total		**8**					
18	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898. 50-63 Amps SP			Each		17	723.00	12291.00
	SLNE/11/TC/VL/01/00/04/S	no 9 Vaishnavi Layout	1					
	SLNE/11/TC113/GL/00/01/05/S	6th Main Road MS Palya Ganesha Layout	1					
	SLNE/11/TC/BN/00/01/03/S	no 31/A,1st Cross,2nd main Bharath Nagara	1					
	SLNE/11/TC84/SG/00/02/S	No 34 2nd Main Road Somanna Layout	1					
	SLNE/11/TC12/SP/01/00/06/LED	3rd Main Road Singapura Paradise	1					

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	SLNE/11/TC37/EVL/00/02/02/S	1st Cross Green inpro Layout	1					
	SLNE/11/TC13/SG/00/01/04/S	No 72 2nd Cross Sai Garden	1					
	SLNE/11/TC70/SB/08/00/13/S	no 66 8th D Main srinidhi Layout	1					
	SLNE/11/TC13/BL/02/00/05/S	no 54 4th Cross 2nd Main Balaji Layout	1					
	SLNE/11/TC13/BL/02/00/09/S	no 46 2nd Cross 2nd Main Balaji Layout	1					
	SLNE/11/TC28/TL/00/01/03/S	1st Cross Teachers layout	1					
	SLNE/11/TC/MSP/00/10HM	MS Palya Circle	2					
	SLNE/11/TC39/RP/00/10HM	Ramachandrapura Bus stand	2					
	SLNE/11/TC40/SP/00/12HM	Singapura Kaveri Circle	2					
	Total		**17**					
	TOTAL Rs							
	Add GST 12 % on item no 10 to 18							722954.04
	TOTAL Rs							55599.30
	Fine imposed for non burning of street lights For the period of 01/101/2023 to31/01/2023							**778553.34**
	As per street light agreement clause 2% will be deducted in							4500.00
	GRAND TOTAL							5192.53
								768860.81

CERTIFICATE

1. This is to certify that the work done is saticefactorily.
2. This is to certify that the bill amount calimed in this bill does not claimed in any of the previous bill.

Junior Engineer(Elec)
Yalahanka Division

Asst.Exe.Engineer(Elec)
Yalahanka Division